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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/771,252	02/03/2004	David Light	TESSERA 3.0-313	2593
38091	7590	12/05/2006	EXAMINER	
			AHMED, SHAMIM	
		ART UNIT		PAPER NUMBER
				1765

DATE MAILED: 12/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/771,252	LIGHT ET AL.	
	Examiner	Art Unit	
	Shamim Ahmed	1765	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 29 September 2006.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-40 is/are pending in the application.
- 4a) Of the above claim(s) 13-40 is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-4, 7 and 8 is/are rejected.
- 7) Claim(s) 5,6,9-12 is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date: _____
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)	5) <input type="checkbox"/> Notice of Informal Patent Application
Paper No(s)/Mail Date: _____	6) <input type="checkbox"/> Other: _____

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-12 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 7-8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

4. Regarding claims 7-8, the phrase "depositing a mask" renders the claim indefinite because it is unclear whether this "mask" is referring to the mask in claim 1 or a different mask.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of

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the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

7. Claims 1-2 and 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yoshida (JP 03251395) in view of Sota et al (6,285,086).

Yoshida teaches forming a metal mold including the step of forming a masking material layer of photoresist layer (2) on a base metal substrate (1), wherein the mask layer is selectively exposed to form openings in the mask layer in order to form mask pattern and etching the metal plate of metal substrate to form recess in the metal plate by etching through the mask pattern.

It is shown that the removing the material of the base is aligned with the mask openings (See, figure C and see the abstract, constitution).

Yoshida fails to teach the recesses having different sizes as claimed first and second recesses, wherein the second recesses are different sizes than the first recesses.

However, Sota et al illustrates that forming two different types of recesses using a mask having two different sizes opening would have been obvious depending on the type of devices to be formed (col.4, lines 56-63).

Therefore, it would have been obvious to one of ordinary skilled in the art at the time of claimed invention to employ Sota et al's teaching into Yoshida's process for efficiently forming patterns into substrate depending on the type of patterns to be formed as illustrates by Sota et al.

8. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Yoshida (JP-03251395) in view of Sota et al (6,285,086) as applied to claims 1-2,4 above, and further in view of Otsuki et al (5,633,529).

Modified Yoshida teaches above in the paragraph 7 but fails to teach the etching of the metal base layer is performed with ferric chloride.

However, Otsuki et al teaches ferric chloride is used to etch a metal layer to form metal mold (figures 15-15B).

Therefore, it would have been obvious to one of ordinary skilled in the art at the time of claimed invention to employ Otsuki et al's teaching into Yoshida's process for effective etching of the metal (stainless steel) as taught by Otsuki et al.

9. Claims 7-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yoshida (JP-03251395) in view of Sota et al (6,285,086) as applied to claims 1-2 and 4 above, and further in view of Dufresne et al (6,537,459).

Modified Yoshida teaches above in the paragraph 7 but fails to teach the photoresist masking layer is formed by electrophoretic deposition process.

However, in a method of etching selectively a metal base material using photoresist masking layer, Dufresne et al teach that photoresist is deposited on a metal substrate using conventional processes including spray coating, electrophoretic coating etc., preferably by electrophoretic deposition process (col.8, lines 8-15).

Therefore, it would have been obvious to one of ordinary skilled in the art at the time of claimed invention to employ Dufresne et al's teaching into Yoshida's process for selectively etching the metal substrate with accuracy as taught by Dufresne et al.

Allowable Subject Matter

10. Claims 5-6 and 9-12 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

11. The following is a statement of reasons for the indication of allowable subject matter: The prior art fails to teach or suggest a process of forming reusable mold including the step of applying an additional mask as the context of claim 5.

Conclusion

12. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. JP-2002-321337 illustrates two different sizes openings are formed on a base substrate.

13. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

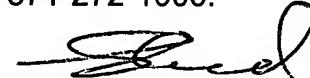
§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shamim Ahmed whose telephone number is (571) 272-1457. The examiner can normally be reached on M-Thu (7:00-5:30) Every Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nadine G. Norton can be reached on (571) 272-1465. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Shamim Ahmed
Primary Examiner
Art Unit 1765

SA
December 4, 2006